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SELECTING TREES AND SHRUBS NATIVE TO VIRGINIA

for

Urban Conservation and a Better Environment



TO PROVIDE

CATALOGING - PREP.

- Aesthetics
- Air Purification
- Green Belts
- Nature Study Areas
- Noise Abatement
- Screening
- Shade
- Soil Stabilization
- Wildlife



REFERENCES

For additional references on growing trees and shrubs successfully, the following publications are available:

1. Care and Maintenance:

- "Fertilizing Shade Trees," Virginia Division of Forestry.
- "Pruning Ornamental Shrubs and Vines," U.S. Dept. of Agriculture, Home and Garden Bulletin 165.
- "Pruning Shade Trees and Repairing Their Injuries," U.S. Dept. of Agriculture, Home and Garden Bulletin 83.
- "Pruning Shrubs," (mimeographed sheets) Extension Division, V.P.I.
- "Selecting Shrubs for Shady Areas," U.S. Dept. of Agriculture, Home and Garden Bulletin 142.
- "Trees for Shade and Beauty, Their Selection and Care," U.S. Dept. of Agriculture, Home and Garden Bulletin 117.

2. Disease and Injury:

- "Common Diseases of Important Shade Trees," U.S. Dept. of Agriculture, Farmers Bulletin 1987.
- "The Dutch Elm Disease and Its Control," U.S. Dept. of Agriculture, Agricultural Information Bulletin 193.
- "Tree Diseases of Eastern Forests and Farm Woodlands," U.S. Dept. of Agriculture, Forest Service, Agricultural Information Bulletin 254.
- "Simple Tree Surgery," Extension Division, V.P.I., Leaflet 312.

3. Tree Protection During Construction:

- "Protecting Trees Against Damage from Construction Work," U.S. Dept. of Agriculture, Agricultural Information Bulletin 285.
- "Protecting Shade Trees During Home Construction," U.S. Dept. of Agriculture, Home and Garden Bulletin 104.

4. Landscaping:

- "Attractive Driveway Entrances," Extension Division, V.P.I., Circular 824.
- "Design of the Home Grounds," Extension Division, V.P.I., Bulletin 217.
- "Landscaping Slopes," Extension Division, V.P.I., Circular 622.

5. Miscellaneous:

- "Color It Green With Trees -- A Calendar of Activities for Home Arborists," U.S. Dept. of Agriculture, Agricultural Research Service, PA-791.
- "Why Leaves Change Color," Extension Division, V.P.I., Publication 185.

TABLE EXPLANATORY NOTES

1. Plant Adaptation is the use for which the plant is best suited under specific site conditions.
2. Soil Moisture Requirements describe the moisture condition to which the plant is best able to develop naturally.
3. Light Requirements describe the amount of sunlight needed for a healthy plant growth.
4. Deciduous or Evergreen. Deciduous plants shed their leaves during winter whereas the evergreens do not.
5. Mature Height. This is the expected height growth in feet which the plant will attain under normal conditions at maturity.
6. Rate of Growth. These ratings are relative as to time for the plant to reach mature height. It is quite variable with length of growing seasons, sites, soil moisture, and competition from other plants.
7. Life Span. The normal length of time expressed in years the plant will live and provide satisfactory desired results.
8. Floral Characteristics. This describes the noticeable floral characteristics when present on the plant.
9. Fruit Characteristics. This describes the noticeable fruit produced on the plant.
10. Fall Foliage Color. This describes the bright leaf colors of the plants during the normal fall seasons.
11. Shade Provided. This is a relative rating of the shade provided by the foliage of the plant. This is important since it influences the selection of lawn grasses and shrubs for underplanting.
12. Susceptibility to Disease. No plants are entirely immune to diseases.
13. Wildlife Benefited. This names the wildlife that will feed on the fruits of a tree or shrub.

REQUIREMENTS AND CHARACTERISTICS OF SHRUBS NATIVE TO VIRGINIA

COMMON NAME OF SHRUB	SCIENTIFIC NAME	PLANT ADAPTATION	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
			SOIL MOISTURE REQUIREMENTS	LIGHT REQUIREMENT	DECIDUOUS OR EVERGREEN	MATURE HEIGHT IN FEET	RATE OF GROWTH	LIFE SPAN IN YEARS	FLORAL CHARACTERISTICS	TYPE OF FRUIT	FALL FOLIAGE COLOR	SHADE PROVIDED	WILDLIFE BENEFITED	
1 Alder, Smooth	<i>Alnus serrulata</i>	Landscape - Screen	Moist to Wet	Part Shade to Full Sun	Deciduous	15	Fast	30-	Inconspicuous	Nutlet	Brown	Dense	--	1
2 Bayberry	<i>Myrica pensylvanica</i>	Landscape - Screen	Dry to Moist	Part Shade to Full Sun	Evergreen	6	Medium	30-	Inconspicuous	Nutlet	Green	Dense	--	2
3 Beautyberry, American	<i>Callicarpa americana</i>	Landscape	Moist	Full Sun	Deciduous	6	Fast	30-	Inconspicuous	Purple Berry	Bright Yellow	Dense	Birds	3
4 Bush, Burning	<i>Euonymus atropurpureus</i>	Landscape	Moist	Part Shade to Full Sun	Evergreen	12	Fast	30-	Small Green	Purple Pod	Green	Moderate	--	4
5 Bush, Strawberry	<i>Euonymus americanus</i>	Landscape	Moist	Part Shade to Full Sun	Evergreen	6	Fast	30-	Inconspicuous	Purple Pod	Green	Moderate	--	5
6 Cherry, Choke	<i>Prunus virginiana</i>	Landscape	Dry to Moist	Part Shade to Full Sun	Deciduous	20	Fast	30-	White Cluster	Red Berry Cluster	Brown	Moderate	Birds	6
7 Chinquapin	<i>Castanea pumila</i>	Landscape	Dry to Moist	Part Shade to Full Sun	Deciduous	8	Medium	30-	Inconspicuous	Nut	Brown	Moderate	Squirrels	7
8 Dogwood, Alternate Leaved	<i>Cornus alternifolia</i>	Landscape	Moist	Part Shade to Full Sun	Deciduous	15	Slow	30-	Inconspicuous	Black Berry	Pale Yellow	Moderate	Birds	8
9 Dogwood, Grey-Stemmed	<i>Cornus racemosa</i>	Landscape	Moist to Wet	Part Shade to Full Sun	Deciduous	15	Slow	30-	Inconspicuous	White Berry	Brown	Moderate	Birds	9
10 Dogwood, Red-Osler	<i>Cornus stolonifera</i>	Landscape - Screen	Moist to Wet	Part Shade to Full Sun	Deciduous	15	Medium	30-	Inconspicuous	White Berry	Brown	Moderate	Birds	10
11 Fringe - Tree	<i>Chionanthus virginicus</i>	Landscape	Moist	Part Shade to Full Sun	Deciduous	15	Fast	30-	White Cluster	Black Berry	Bright Yellow	Moderate	--	11
12 Gallberry	<i>Ilex coriacea</i>	Landscape	Moist to Wet	Part Shade to Full Sun	Evergreen	12	Slow	30-	Inconspicuous	Black Berry	Green	Dense	Birds	12
13 Hazelnut, American	<i>Corylus americana</i>	Landscape	Moist	Part Shade to Full Sun	Deciduous	6	Medium	30-	Inconspicuous	Nut	Brown	Dense	Squirrels	13
14 Hazelnut, Beaked	<i>Corylus cornuta</i>	Landscape	Moist	Part Shade to Full Sun	Deciduous	6	Medium	30-	Inconspicuous	Nut	Brown	Dense	Squirrels	14
15 Hercules' Club	<i>Aralia spinosa</i>	Landscape	Dry to Moist	Full Sun	Deciduous	25	Fast	30-	White Cluster	Black Berry	Pale Yellow	Light	Birds	15
16 Hydrangea, Wild	<i>Hydrangea arborescens</i>	Landscape	Dry to Moist	Part Shade to Full Sun	Deciduous	8	Fast	30-	White Cluster	Brown Pod	Brown	Dense	--	16
17 Laurel, Mountain	<i>Kalmia latifolia</i>	Landscape	Dry to Moist	Shade to Partial Shade	Evergreen	9	Slow	70+	White Cluster	Capsule	Green	Dense	--	17
18 Leucothoe	<i>Leucothoe racemosa</i>	Landscape	Moist	Shade to Partial Shade	Evergreen	6	Medium	30-	White Cluster	Capsule	Green	Dense	--	18
19 Maple, Striped	<i>Acer Pennsylvanicum</i>	Landscape	Moist	Shade to Full Sun	Deciduous	20	Medium	30-70	Inconspicuous	Samara	Brown	Moderate	--	19
20 Myrtle, Wax	<i>Myrica cerifera</i>	Landscape - Screen	Dry to Wet	Part Shade to Full Sun	Evergreen	20	Fast	30-	Inconspicuous	Nutlet	Green	Dense	Birds	20
21 Oak, Scrub	<i>Quercus ilicifolia</i>	Landscape	Dry to Moist	Part Shade to Full Sun	Deciduous	10	Slow	30-70	Inconspicuous	Acorn	Brown	Dense	Squirrels	21
22 Pepperbush, Mountain Sweet	<i>Clethra acuminata</i>	Landscape	Moist	Part Shade to Full Sun	Deciduous	10	Fast	30-	White Cluster	Capsule	Pale Yellow	Moderate	--	22
23 Pepperbush, Sweet	<i>Clethra alnifolia</i>	Landscape	Moist	Part shade to Full Sun	Deciduous	9	Medium	30-	White Cluster	Capsule	Pale Yellow	Moderate	--	23
24 Rhododendron, Rosebay	<i>Rhododendron catawbiense</i>	Landscape	Moist	Shade to Part Shade	Evergreen	10	Slow	70+	Rose Cluster	Capsule	Green	Dense	--	24
25 Rhododendron, White	<i>Rhododendron maximum</i>	Landscape	Moist	Shade to Part Shade	Evergreen	10	Slow	70+	White Cluster	Capsule	Green	Dense	--	25
26 Sumac, Dwarf	<i>Rhus copallina</i>	Landscape	Dry to Moist	Full Sun	Deciduous	10	Fast	30-	Inconspicuous	Red Cluster	Bright Red	Moderate	Birds	26
27 Sumac, Fragrant	<i>Rhus aromatica</i>	Landscape	Dry to Moist	Full Sun	Deciduous	15	Fast	30-	Inconspicuous	Red Cluster	Bright Red	Moderate	Birds	27
28 Sumac, Smooth	<i>Rhus glabra</i>	Landscape	Dry to Moist	Full Sun	Deciduous	15	Fast	30-	Inconspicuous	Red Cluster	Bright Red	Moderate	Birds	28
29 Sumac, Staghorn	<i>Rhus typhina</i>	Landscape	Dry to Moist	Full Sun	Deciduous	15	Fast	30-	Inconspicuous	Red Cluster	Bright Red	Moderate	Birds	29
30 Spicebush	<i>Lindera benzoin</i>	Landscape - Screen	Moist to Wet	Part Shade to Full Sun	Deciduous	15	Fast	30-	Fragrant Yellow	Red Berry	Bright Yellow	Dense	Birds	30
31 Sweet Fern	<i>Comptonia perigrina</i>	Landscape	Dry	Full Sun	Deciduous	3	Slow	30-	Inconspicuous	Nutlet	--	Dense	--	31
32 Sweet Shrub	<i>Calycanthus floridus</i>	Landscape	Moist	Part Shade to Full Sun	Deciduous	6	Fast	30-	Fragrant Brown	Brown Pod	Bright Yellow	Dense	--	32
33 Tea, New Jersey	<i>Ceanothus americanus</i>	Landscape	Dry to Moist	Full Sun	Deciduous	3	Medium	30-	White Cluster	Capsule	Brown	Dense	--	33
34 Viburnum, Arrowwood	<i>Viburnum dentatum</i>	Landscape - Screen	Moist	Part Shade to Full Sun	Deciduous	4	Fast	30-	White Cluster	Black Berry	Bright Yellow	Dense	Birds	34
35 Viburnum, Black Haw	<i>Viburnum prunifolium</i>	Landscape	Moist to Wet	Part Shade to Full Sun	Deciduous	15	Medium	30-	White Cluster	Black Berry	Brown	Moderate	Birds	35
36 Viburnum, Maple-leaved	<i>Viburnum acerifolium</i>	Landscape	Moist	Part Shade to Full Sun	Deciduous	6	Fast	30-	White Cluster	Black Berry	Bright Yellow	Dense	Birds	36
37 Witch Hazel	<i>Hamamelis virginiana</i>	Landscape - Screen	Dry to Moist	Part Shade to Full Sun	Deciduous	15	Medium	30-	Yellow	Brown Pod	Brown	Moderate	--	37
38 Yew, Ground	<i>Taxus canadensis</i>	Landscape	Moist	Shade to Full Sun	Evergreen	6	Slow	30-70	Inconspicuous	Red Berry	Green	Dense	Birds	38

REQUIREMENTS AND CHARACTERISTICS OF TREES NATIVE TO VIRGINIA

COMMON NAME OF TREE	SCIENTIFIC NAME	(1) PLANT ADAPTATION	(2) SOIL MOISTURE REQUIREMENTS	(3) LIGHT REQUIREMENT	(4) DECIDUOUS OR EVERGREEN	(5) MATURE HEIGHT IN FEET	(6) RATE OF GROWTH	(7) LIFE SPAN IN YEARS	(8) FLORAL CHARACTERISTICS	(9) TYPE OF FRUIT	(10) FALL FOLIAGE COLOR	(11) SHADE PROVIDED	(12) WILDLIFE BENEFITED	
1 Ash, Green	<i>Fraxinus pennsylvanica</i>	Shade	Moist to Wet	Full Sun	Deciduous	70	Fast	70+	Inconspicuous	Samara	Pale Yellow	Moderate	Birds	1
2 Ash, Mountain	<i>Sorbus americana</i>	Landscape	Moist	Part Shade to Full Sun	Deciduous	35	Fast	30-70	Small White	Red Cluster	Brown	Moderate	Birds	2
3 Ash, White	<i>Fraxinus americana</i>	Shade	Moist to Wet	Full Sun	Deciduous	70	Fast	70+	Inconspicuous	Samara	Pale Yellow	Moderate	Birds	3
4 Aspen, Big-toothed	<i>Populus grandidentata</i>	Shade	Dry to Moist	Full Sun	Deciduous	60	Fast	30-70	Inconspicuous	Capsule	Pale Yellow	Light	--	4
5 Basswood	<i>Tilia sp.</i>	Shade	Moist	Part Shade to Full Sun	Deciduous	70	Medium	70+	Inconspicuous	Nutlet	Pale Yellow	Moderate	Squirrels	5
6 Bay, Swamp	<i>Persea borbonia</i>	Landscape - Shade	Moist to Wet	Part Shade to Full Sun	Evergreen	45	Medium	30-70	Inconspicuous	Blue	Brown	Moderate	--	6
7 Bay, Sweet	<i>Magnolia virginiana</i>	Landscape - Shade	Moist to Wet	Part Shade to Full Sun	Deciduous	60	Medium	70+	Cream	Drupe	Brown	Moderate	Birds - Squirrels	7
8 Beech, American	<i>Fagus grandifolia</i>	Landscape - Shade	Dry to Moist	Shade to Full Sun	Deciduous	70	Slow	70+	Inconspicuous	Nutlet	Bright Yellow	Dense	Squirrels	8
9 Birch, Black	<i>Betula lenta</i>	Shade	Moist	Part Shade to Full Sun	Deciduous	50	Medium	30-70	Inconspicuous	Nutlet	Brown	Moderate	Birds - Squirrels	9
10 Birch, Red River	<i>Betula nigra</i>	Landscape	Moist	Part Shade to Full Sun	Deciduous	70	Medium	30-70	Inconspicuous	Nutlet	Brown	Moderate	Birds - Squirrels	10
11 Butternut	<i>Juglans cinerea</i>	Landscape	Moist	Full Sun	Deciduous	40	Medium	30-70	Inconspicuous	Nut	Brown	Moderate	Squirrels	11
12 Catalpa	<i>Catalpa bignonioides</i>	Screen - Shade	Moist	Full Sun	Deciduous	45	Fast	30-70	White	Green Pod	Brown	Moderate	--	12
13 Cedar, Eastern Red	<i>Juniperus virginiana</i>	Landscape - Screen	Dry to Moist	Full Sun	Evergreen	45	Slow	70+	Inconspicuous	Blue Berry	Green	Moderate	Birds	13
14 Cedar, Northern White	<i>Thuja occidentalis</i>	Landscape - Screen	Moist to Wet	Full Sun	Evergreen	40	Slow	30-70	Inconspicuous	Cone	Green	Moderate	Birds - Squirrels	14
15 Cedar, Southern White	<i>Chamaecyparis thyoides</i>	Landscape	Moist to Wet	Full Sun	Evergreen	40	Slow	30-70	Inconspicuous	Cone	Green	Moderate	--	15
16 Cherry, Wild	<i>Prunus serotina</i>	Landscape - Shade	Moist	Full Sun	Deciduous	40	Medium	30-70	Small White	Black	Brown	Moderate	Birds - Squirrels	16
17 Chinaberry	<i>Melia azederach</i>	Landscape - Shade	Dry to Moist	Full Sun	Deciduous	30	Fast	30-70	Inconspicuous	Yellow	Pale Yellow	Moderate	Birds	17
18 Cottonwood, Eastern	<i>Populus deltoides</i>	Shade	Moist to Wet	Full Sun	Deciduous	60	Fast	30-70	Inconspicuous	Capsule	Pale Yellow	Light	--	18
19 Cottonwood, Swamp	<i>Populus heterophylla</i>	Shade	Moist to Wet	Full Sun	Deciduous	60	Fast	30-70	Inconspicuous	Capsule	Pale Yellow	Light	--	19
20 Cucumber Tree	<i>Magnolia acuminata</i>	Landscape - Shade	Moist	Full Sun	Deciduous	70	Fast	70+	Inconspicuous	Red Cluster	Brown	Moderate	Birds	20
21 Cypress, Bald	<i>Taxodium distichum</i>	Landscape	Moist to Wet	Part Shade to Full Sun	Deciduous	60	Medium	70+	Inconspicuous	Cone	Brown	Moderate	--	21
22 Dogwood, Flowering	<i>Cornus florida</i>	Landscape - Street	Moist	Shade to Full Sun	Deciduous	30	Slow	30-70	White	Red Berry	Red to Purple	Moderate	Birds - Squirrels	22
23 Elm, American	<i>Ulmus americana</i>	Shade - Street	Moist	Part Shade to Full Sun	Deciduous	90	Medium	70+	Inconspicuous	Samara	Pale Yellow	Moderate	Birds - Squirrels	23
24 Elm, Rock	<i>Ulmus thomasii</i>	Landscape - Shade	Moist	Part Shade to Full Sun	Deciduous	60	Medium	70+	Inconspicuous	Samara	Pale Yellow	Moderate	--	24
25 Elm, Slippery	<i>Ulmus rubra</i>	Landscape - Shade	Moist	Part Shade to Full Sun	Deciduous	60	Medium	70+	Inconspicuous	Samara	Pale Yellow	Moderate	Birds	25
26 Elm, Winged	<i>Ulmus alata</i>	Landscape - Shade	Dry to Moist	Part Shade to Full Sun	Deciduous	40	Medium	70+	Inconspicuous	Samara	Pale Yellow	Moderate	--	26
27 Empress Tree	<i>Paulownia tomentosa</i>	Landscape - Shade	Dry to Moist	Full Sun	Deciduous	45	Fast	30-70	Violet	Capsule Cluster	Brown	Moderate	--	27
28 Gum, Black	<i>Nyssa sylvatica</i>	Shade	Dry to Wet	Part Shade to Full Sun	Deciduous	70	Medium	70+	Inconspicuous	Black	Bright Red	Moderate	Birds - Squirrels	28
29 Gum, Sweet	<i>Liquidambar styraciflua</i>	Shade	Moist to Wet	Part Shade to Full Sun	Deciduous	70	Fast	70+	Inconspicuous	Seed Ball	Red to Yellow	Moderate	--	29
30 Hackberry	<i>Celtis occidentalis</i>	Shade	Dry to Wet	Part Shade to Full Sun	Deciduous	60	Medium	70+	Inconspicuous	Drupe	Brown	Moderate	Birds	30
31 Hemlock, Carolina	<i>Tsuga caroliniana</i>	Landscape - Screen - Shade	Moist	Shade to Full Sun	Evergreen	50	Medium	70+	Inconspicuous	Cone	Green	Moderate	Birds - Squirrels	31
32 Hemlock, Eastern	<i>Tsuga canadensis</i>	Landscape - Screen - Shade	Moist	Shade to Full Sun	Evergreen	60	Medium	70+	Inconspicuous	Cone	Green	Moderate	Birds - Squirrels	32
33 Hickory, Bitternut	<i>Carya cordiformis</i>	Shade	Dry to Moist	Part Shade to Full Sun	Deciduous	70	Medium	70+	Inconspicuous	Nut	Bright Yellow	Moderate	Squirrels	33
34 Hickory, Mockernut	<i>Carya tomentosa</i>	Shade	Dry to Moist	Part Shade to Full Sun	Deciduous	70	Medium	70+	Inconspicuous	Nut	Bright Yellow	Moderate	Squirrels	34
35 Hickory, Pignut	<i>Carya glabra</i>	Shade	Dry to Moist	Part Shade to Full Sun	Deciduous	70	Medium	70+	Inconspicuous	Nut	Bright Yellow	Moderate	Squirrels	35
36 Holly, American	<i>Ilex opaca</i>	Landscape - Screen	Moist	Shade to Full Sun	Evergreen	40	Slow	70+	Small White	Red Berry	Green	Dense	Birds	36
37 Hornbeam, Hop	<i>Ostrya virginiana</i>	Landscape	Dry to Moist	Part Shade to Full Sun	Deciduous	65	Slow	30-70	Inconspicuous	Nutlet	Brown	Light	Squirrels	37
38 Ironwood	<i>Carpinus caroliniana</i>	Landscape	Dry to Moist	Part Shade to Full Sun	Deciduous	30	Slow	30-70	Inconspicuous	Nutlet	Brown	Light	--	38
39 Larch	<i>Larix laricina</i>	Landscape	Moist	Full Sun	Deciduous	60	Fast	70+	Inconspicuous	Cone	Brown	Moderate	Birds - Squirrels	39
40 Locust, Black	<i>Robinia pseudoacacia</i>	Landscape - shade	Dry to Moist	Full Sun	Deciduous	50	Fast	70+	White	Brown Pod	Pale Yellow	Moderate	Birds	40
41 Locust, Honey	<i>Gleditsia triacanthos</i>	Landscape	Dry to Moist	Full Sun	Deciduous	50	Fast	70+	Inconspicuous	Brown Pod	Pale Yellow	Moderate	--	41
42 Magnolia, Evergreen	<i>Magnolia grandiflora</i>	Landscape - Screen - Shade	Dry to Moist	Part Shade to Full Sun	Evergreen	60	Medium	70+	White	Red Berry	Green	Dense	Birds - Squirrels	42
43 Magnolia, Fraser	<i>Magnolia fraseri</i>	Landscape	Moist	Part Shade to Full Sun	Deciduous	35	Fast	30-70	Fragrant Yellow	Red Cluster	Brown	Moderate	Birds	43
44 Magnolia, Umbrella	<i>Magnolia tripetala</i>	Landscape	Moist	Part Shade to Full Sun	Deciduous	40	Fast	30-70	White	Red Cluster	Brown	Moderate	Birds	44
45 Maple, Box Elder	<i>Acer negundo</i>	Shade	Moist to Wet	Part Shade to Full Sun	Deciduous	40	Fast	30-70	Inconspicuous	Samara	Pale Yellow	Moderate	--	45
46 Maple, Red	<i>Acer rubrum</i>	Shade - Street	Moist to Wet	Part Shade to Full Sun	Deciduous	60	Medium	30-70	Small Red	Samara	Yellow to Red	Moderate	--	46
47 Maple, Silver	<i>Acer saccharinum</i>	Shade - Street	Moist to Wet	Part Shade to Full Sun	Deciduous	60	Fast	30-70	Small Green White	Samara	Pale Yellow	Moderate	--	47
48 Maple, Sugar	<i>Acer saccharum</i>	Shade - Street	Moist	Shade to Full Sun	Deciduous	60	Slow	70+	Inconspicuous	Samara	Yellow to Red	Moderate	Birds - Squirrels	48
49 Mimosa	<i>Albizia julibrissin</i>	Landscape - Shade	Dry to Moist	Full Sun	Deciduous	25	Fast	30-	Small Pink	Brown Pod	Brown	Moderate	--	49
50 Mulberry, Paper	<i>Broussonetia papyrifera</i>	Landscape	Moist	Full Sun	Deciduous	55	Medium	30-70	Inconspicuous	Red	Brown	Moderate	Birds	50
51 Mulberry, Red	<i>Morus rubra</i>	Landscape	Moist	Part Shade to Full Sun	Deciduous	55	Medium	30-70	Inconspicuous	Black	Brown	Moderate	Birds	51
52 Oak, Black	<i>Quercus velutina</i>	Shade	Dry to Moist	Part Shade to Full Sun	Deciduous	70	Medium	70+	Inconspicuous	Acorn	Brown	Moderate	Squirrels	52
53 Oak, Chestnut	<i>Quercus montana</i>	Shade	Dry to Moist	Part Shade to Full Sun	Deciduous	60	Medium	70+	Inconspicuous	Acorn	Brown	Moderate	Squirrels	53
54 Oak, Live	<i>Quercus virginiana</i>	Landscape	Dry to Moist	Part Shade to Full Sun	Evergreen	60	Slow	70+	Inconspicuous	Acorn	Brown	Moderate	Squirrels	54
55 Oak, Northern Red	<i>Quercus rubra</i>	Shade	Dry to Moist	Part Shade to Full Sun	Deciduous	70	Medium	70+	Inconspicuous	Acorn	Deep Red	Moderate	Squirrels	55
56 Oak, Pin	<i>Quercus palustris</i>	Landscape - Shade - Street	Dry to Wet	Part Shade to Full Sun	Deciduous	70	Medium	70+	Inconspicuous	Acorn	Brown	Moderate	Squirrels	56
57 Oak, Post	<i>Quercus stellata</i>	Shade	Dry to Moist	Part Shade to Full Sun	Deciduous	50	Medium	70+	Inconspicuous	Acorn	Brown	Moderate	Squirrels	57
58 Oak, Scarlet	<i>Quercus coccinea</i>	Landscape - Shade	Dry to Moist	Part Shade to Full Sun	Deciduous	70	Medium	70+	Inconspicuous	Acorn	Bright Red	Moderate	Squirrels	58
59 Oak, Southern Red	<i>Quercus falcata</i>	Shade	Dry to Moist	Part Shade to Full Sun	Deciduous	70	Medium	70+	Inconspicuous	Acorn	Brown	Moderate	Squirrels	59
60 Oak, Swamp White	<i>Quercus bicolor</i>	Landscape - Shade	Wet	Part Shade to Full Sun	Deciduous	60	Medium	70+	Inconspicuous	Acorn	Brown	Moderate	Squirrels	60
61 Oak, Water	<i>Quercus nigra</i>	Shade	Dry to Wet	Part Shade to Full Sun	Deciduous	70	Medium	70+	Inconspicuous	Acorn	Brown	Moderate	Squirrels	61
62 Oak, White	<i>Quercus alba</i>	Shade	Dry to Moist	Part Shade to Full Sun	Deciduous	70	Medium	70+	Inconspicuous	Acorn	Deep Red	Moderate	Squirrels	62
63 Oak, Willow	<i>Quercus phellos</i>	Shade - Street	Dry to Wet	Part Shade to Full Sun	Deciduous	70	Medium	70+	Inconspicuous	Acorn	Brown	Moderate	Squirrels	63
64 Osage Orange	<i>Milicia pinnifera</i>	Landscape - Screen	Moist	Part Shade to Full Sun	Deciduous	30	Medium	70+	Inconspicuous	Green	Brown	Dense	Squirrels	64
65 Pawpaw	<i>Asimina triloba</i>	Landscape	Moist	Part Shade to Full Sun	Deciduous	45	Medium	30-70	Green to Brown	Green	Bright Yellow	Dense	--	65
66 Persimmon	<i>Diospyros virginiana</i>	Landscape	Moist	Part Shade to Full Sun	Deciduous	40	Slow	30-70	Inconspicuous	Orange	Pale Red	Moderate	Birds	66
67 Pine, Loblolly	<i>Pinus taeda</i>	Screen - Shade	Dry to Wet	Full Sun	Evergreen	70	Medium	70+	Inconspicuous	Cone	Green	Moderate	Squirrels	67
68 Pine, Pitch	<i>Pinus rigida</i>	Landscape - Shade	Dry to Moist	Full Sun	Evergreen	55	Medium	70+	Inconspicuous	Cone	Green	Moderate	Squirrels	68
69 Pine, Pond	<i>Pinus serotina</i>	Shade	Moist to Wet	Full Sun	Evergreen	45	Medium	70+	Inconspicuous	Cone	Green	Moderate	Squirrels	69
70 Pine, Shortleaf	<i>Pinus echinata</i>	Screen - Shade	Dry to Moist	Full Sun	Evergreen	70	Medium	70+	Inconspicuous	Cone	Green	Moderate	Squirrels	70
71 Pine, Table Mountain	<i>Pinus pungens</i>	Landscape	Dry to Moist	Full Sun	Evergreen	35	Slow	70+	Inconspicuous	Cone	Green	Moderate	Squirrels	71
72 Pine, Virginia	<i>Pinus virginiana</i>	Screen - Shade	Dry to Wet	Full Sun	Evergreen	60	Medium	70+	Inconspicuous	Cone	Green	Moderate	Squirrels	72
73 Pine, White	<i>Pinus strobus</i>	Landscape - Screen - Shade	Moist	Part Shade to Full Sun	Evergreen	70	Fast	70+	Inconspicuous	Cone	Green	Moderate	Squirrels	73
74 Poplar, White	<i>Populus alba</i>	Screen - Shade	Dry to Moist	Full Sun	Deciduous	35	Fast	30-	Inconspicuous	Capsule	Brown	Light	--	74
75 Poplar, Yellow	<i>Liriodendron tulipifera</i>	Shade	Moist	Part Shade to Full Sun	Deciduous	70	Fast	70+	Yellow to Orange	Cone Cluster	Bright Yellow	Moderate	Squirrels	75
76 Redbud	<i>Cercis canadensis</i>	Landscape	Moist	Full Sun	Deciduous	30	Fast	30-70	Purple	Brown Pod	Pale Yellow	Moderate	--	76
77 Sassafras	<i>Sassafras albidum</i>	Landscape - Shade	Dry to Moist	Part Shade to Full Sun	Deciduous	40	Slow	30-70	Blue	Red or Yellow	Moderate	Birds	--	77
78 Serviceberry	<i>Amelanchier canadensis</i>	Landscape	Moist	Part Shade to Full Sun	Deciduous	20	Medium	30-	White	Blue	Brown	Light	Birds	78
79 Silver Bell	<i>Halesia carolina</i>	Landscape	Moist	Part Shade to Full Sun	Deciduous	30	Medium	30-70	White	Brown Pod	Brown	Moderate	--	79
80 Sourwood	<i>Oxydendrum arboreum</i>	Landscape - Screen - Shade	Moist	Part Shade to Full Sun	Deciduous	35	Medium	30-70	White	Capsule	Bright Red	Moderate	--	80
81 Spruce, Black	<i>Picea mariana</i>	Landscape - Screen	Moist	Part Shade to Full Sun	Evergreen	60	Slow	70+	Inconspicuous	Cone	Green	Moderate	--	81
82 Sycamore	<i>Platanus occidentalis</i>	Shade	Moist to Wet	Full Sun	Deciduous	80	Fast	70+	Inconspicuous	Seed Ball	Brown	Moderate	--	82
83 Tree of Heaven	<i>Ailanthus altissima</i>	Shade	Dry to Moist	Full Sun	Deciduous	40	Fast	30-70	Inconspicuous	Samara	Brown	Moderate	Birds	83
84 Walnut, Black	<i>Juglans nigra</i>	Shade	Moist	Full Sun	Deciduous	70	Medium	70+	Inconspicuous	Nut	Brown	Moderate	Squirrels	84
85 Willow, Black	<i>Salix nigra</i>	Landscape	Moist to Wet	Full Sun	Deciduous	65	Fast	30-70	Inconspicuous	Capsule	Brown	Moderate	--	85
86 Willow, Weeping	<i>Salix babylonica</i>	Landscape	Moist	Full Sun	Deciduous	40	Fast	30-70	Inconspicuous	Capsule	Brown	Dense	Birds	86

SPECIAL INFORMATION

In urban areas, natural soil conditions are often destroyed during construction and landscaping. This is caused by cut and fill operations. These conditions may adversely affect the survival and growth of woody plants. Should this be the case, assistance is available for on-site investigations by specialists.

Seek the advice of a specialist before planting trees or shrubs on sites not adapted to that particular plant. At times, soil conditions may be changed if a particular plant is desired.

Spacings for planting vary according to growth habits of shrubs and trees, sites, amount of shade, desired results, etc.

In tree selection, consideration should be given to the fact that temperatures under broad leaf trees tend to be cooler than under pine trees during summer. During the winter season, temperatures will be higher under trees that lose their leaves.

Get information before planting trees or shrubs where they will be subject to high concentrations of air pollution such as "exhaust fumes" or industrial "fallout".

Trees are one of the major natural air purifiers. They absorb carbon dioxide in the air and emit oxygen.

There are approximately ten different azaleas native to various localities of Virginia. With proper selection and care, within any specific locality, these can be used for landscaping.

ASSISTANCE AVAILABLE

Public: Local Arborist

Cooperative Extension Service

Soil Conservation Service

Virginia Division of Forestry

Private: Landscape Architects and Contractors

Local Nurserymen

Tree Services